



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

## \*BIBDATASHEET\*

Bib Data Sheet

CONFIRMATION NO. 4201

SERIAL NUMBER 10/617,723	FILING DATE 07/14/2003  RULE	CLASS 701	GROUP ART UNIT 3747	ATTORNEY DOCKET NO. 024536-0130
-----------------------------	---------------------------------------	--------------	------------------------	------------------------------------

## APPLICANTS

Isamu Izuka, Atsugi-shi, JAPAN;

Kenichi Machida, Atsugi-shi, JAPAN;  
Hirokazu Shimizu, Atsugi-shi, JAPAN;\*\* CONTINUING DATA \*\*\*\*\* JMH  
NONE

\*\* FOREIGN APPLICATIONS \*\*\*\*\* JMH

JAPAN 2002-205878 07/15/2002 ✓  
JAPAN 2002-205877 07/15/2002 ✓  
JAPAN 2002-346142 11/28/2002 ✓

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 10/14/2003

Foreign Priority claimed ☒ yes ☐ no  
 35 USC 119 (a-d) conditions met ☒ yes ☐ no ☐ Met after Allowance  
 Verified and Acknowledged *[Signature]* Examiner's Signature JMH Initials

STATE OR

SHEETS

TOTAL

INDEPENDENT

COUNTRY  
JAPANDRAWING  
28CLAIMS  
48CLAIMS  
6

## ADDRESS

22428  
FOLEY AND LARDNER  
SUITE 500  
3000 K STREET NW  
WASHINGTON, DC  
20007

## TITLE

Apparatus and method for estimating residual gas amount of internal combustion engine, and apparatus and method for controlling intake air amount of internal combustion engine using estimated residual gas amount

FILING FEE

RECEIVED  
1506FEES: Authority has been given in Paper  
No. \_\_\_\_\_ to charge/credit DEPOSIT ACCOUNT  
No. \_\_\_\_\_ for following:☐ All Fees☐ 1.16 Fees ( Filing )☐ 1.17 Fees ( Processing Ext. of time )☐ 1.18 Fees ( Issue )